

Requester's Full Name: _____ Examiner #: _____ Date: _____
Art Unit: _____ Phone Number 30 _____ Serial Number: _____
Mail Box and Bldg Room Location: _____ Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc., if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: _____

Inventors (please provide full names): _____

Earliest Priority Filing Date: _____

**For Sequence Searches Only* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.*

STAFF USE ONLY

	Type of Search	Vendors and cost where applicable
Searcher: <u>P. Schwab</u>	NA Sequence (#) <u>2</u>	STN _____
Searcher Phone #: <u>277-2526</u>	AA Sequence (#) <u>1</u>	Dialog _____
Searcher Location: <u>Remsen E01A61</u>	Structure (#) _____	Questel/Orbit _____
Date Searcher Picked Up: _____	Bibliographic _____	Dr. Link _____
Date Completed: <u>4/15</u>	Litigation _____	Lexis/Nexis _____
Searcher Prep & Review Time: <u>12</u>	Fulltext _____	Sequence Systems <u>CompuLink</u>

0.0	433	12	US-10-085-783A-43377	Sequence 43377, A
0.0	433	15	US-10-242-535A-43377	Sequence 43377, A
0.0	453	12	US-10-085-783A-35025	Sequence 35025, A
0.0	453	15	US-10-242-535A-35025	Sequence 35025, A
0.0	467	12	US-10-085-783A-39933	Sequence 39933, A
0.0	467	15	US-10-242-535A-39933	Sequence 39933, A
0.0	471	12	US-10-085-783A-57254	Sequence 57254, A
0.0	471	15	US-10-242-535A-57254	Sequence 57254, A
0.0	472	12	US-10-085-783A-56068	Sequence 56068, A
0.0	472	15	US-10-242-535A-56068	Sequence 56068, A
0.0	523	12	US-10-085-783A-46292	Sequence 46292, A
0.0	523	15	US-10-242-535A-46292	Sequence 46292, A
9.9	476	10	US-09-918-995-17191	Sequence 17191, A
8.4	4543	14	US-10-198-846-11311	Sequence 11311, A
6.5	430	12	US-10-085-783A-54751	Sequence 54751, A

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us-09-541-462b-1.apr14.rnpb

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TGTGCGCATCTGCAGAACACATTATGGATCTTTGCATAGAAATGTCAAGCTAAACGAG 199
|||||
TCCGCTACTTTCAGAGAGTGTCTGCGATGGGAGTCTGTAAACCATGCTTTTCAC 240
|||||
TCCGCTACTTTCAGAGAGTGTCTGCGATGGGAGTCTGTAAACCATGCTTTTCAC 259
|||||
TCACTGCATCTCTCGCTGCTCAAAACACGACAGGTGTGTCCATTGGACACAGAGAG 300
|||||
TCACTGCATCTCTCGCTGCTCAAAACACGACAGGTGTGTCCATTGGACACAGAGAG 319
|||||
TGAATTCCTCAAAAGATGGGCACCTAG 327
|||||
TGAATTCCTCAAAAGATGGGCACCTAG 346

377
Application US/10242535A
US20040013663A1
TION:
ew, C.C.
TION: Compositions and Methods Relatiing to Osteoarthritis
: 4231/2005
TION NUMBER: US/10/242,535A
DATE: 2002-09-12
ION NUMBER: US 10/085,783
ATE: 2002-02-28
ION NUMBER: US 60/305,340
ATE: 2001-07-13
ION NUMBER: US 60/275,017
ATE: 2001-03-12
ION NUMBER: US 60/271,955
ATE: 2001-02-28
ID NOS: 58994
In version 3.2

lan
377
100.0%; Score 327; DB 15; Length 433;
larity 100.0%; Pred.No.2.1e-106;
Conservative 0; Mismatches 0; Indels 0; Gaps 0;

CGCGCAGCGATGGATGTGGATACCCCGAGCGGCACCAACAGCGCGCGGCAAGAG 60
CGCGCAGCGATGGATGTGGATACCCCGAGCGGCACCAACAGCGCGCGGCAAGAG 79
TTTGAAGTGAAAAAGTGGAAATGCAGTAGCCCTCTGGGCTGGGATATTGTGTTGAT 120
TTTGAAGTGAAAAAGTGGAAATGCAGTAGCCCTCTGGGCTGGGATATTGTGTTGAT 139
TGTGCCATCTGCAGAACACATTATGGATCTTTGCATAGAAATGTCAAGCTAAACGAG 180
TGTGCCATCTGCAGAACACATTATGGATCTTTGCATAGAAATGTCAAGCTAAACGAG 199
TCCGCTACTTTCAGAGAGTGTCTGCGATGGGAGTCTGTAAACCATGCTTTTCAC 240
TCCGCTACTTTCAGAGAGTGTCTGCGATGGGAGTCTGTAAACCATGCTTTTCAC 259
TCACTGCATCTCTCGCTGCTCAAAACACGACAGGTGTGTCCATTGGACACAGAGAG 300
TCACTGCATCTCTCGCTGCTCAAAACACGACAGGTGTGTCCATTGGACACAGAGAG 319
TGAATTCCTCAAAAGATGGGCACCTAG 327
TGAATTCCTCAAAAGATGGGCACCTAG 346

US-10-085-783A-35025
; Sequence 35025, Application US/10085783A
; Publication No. US20040037841A1
; GENERAL INFORMATION:
; APPLICANT: ChondroGene Inc.
; APPLICANT: Liew, C.C.
; TITLE OF INVENTION: Compositions and Methods Relating to Osteoar
; FILE REFERENCE: 4231/2002
; CURRENT APPLICATION NUMBER: US/10/085,783A
; CURRENT FILING DATE: 2002-02-28
; PRIOR APPLICATION NUMBER: US 60/305,340
; PRIOR FILING DATE: 2001-07-13
; PRIOR APPLICATION NUMBER: US 60/275,017
; PRIOR FILING DATE: 2001-03-12
; PRIOR APPLICATION NUMBER: US 60/271,955
; PRIOR FILING DATE: 2001-02-28
; NUMBER OF SEQ ID NOS: 58994
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 35025
; LENGTH: 453
; TYPE: DNA
; ORGANISM: Human
US-10-085-783A-35025

Query Match 100.0%; Score 327; DB 12; Length 453;
Best Local Similarity 100.0%; Pred.No.2.2e-106;
Matches 327; Conservative 0; Mismatches 0; Indels 0;

Qy 1 ATGGCGGCGAGGATGGATGTGGATACCCCGAGCGGCACCAACAGCGCGGCGGCG 1
Db 24 ATGGCGGCGAGGATGGATGTGGATACCCCGAGCGGCACCAACAGCGCGGCGGCG 24
Qy 61 CGCTTTGAAGTGAAAAAGTGGAAATGCAGTAGCCCTCTGGGCTGGGATATTGTG 61
Db 84 CGCTTTGAAGTGAAAAAGTGGAAATGCAGTAGCCCTCTGGGCTGGGATATTGTG 84
Qy 121 AACTGTGCCATCTGCAGGAACCAACATTATGGATCTTTGCATAGAAATGTCAAGCT 121
Db 144 AACTGTGCCATCTGCAGGAACCAACATTATGGATCTTTGCATAGAAATGTCAAGCT 144
Qy 181 GCGTCCGCTACTTCAGAGAGTGTACTGTGCGATGGGAGTCTGTAAACCATGCT 181
Db 204 GCGTCCGCTACTTCAGAGAGTGTACTGTGCGATGGGAGTCTGTAAACCATGCT 204
Qy 241 TTCACATGTCATCTCTGCTGCTCAAAACACAGCAGGTGTGTCCATTGGACAAC 241
Db 264 TTCACATGTCATCTCTGCTGCTCAAAACACAGCAGGTGTGTCCATTGGACAAC 264
Qy 301 TGGGAATTCCTCAAAAGTATGGGCACCTAG 327
Db 324 TGGGAATTCCTCAAAAGTATGGGCACCTAG 350

RESULT 4
US-10-242-535A-35025
; Sequence 35025, Application US/10242535A
; Publication No. US20040013663A1
; GENERAL INFORMATION:
; APPLICANT: ChondroGene Inc.
; APPLICANT: Liew, C.C.
; TITLE OF INVENTION: Compositions and Methods Relating to Osteoar
; FILE REFERENCE: 4231/2005
; CURRENT APPLICATION NUMBER: US/10/242,535A
; CURRENT FILING DATE: 2002-09-12
; PRIOR APPLICATION NUMBER: US 10/085,783
; PRIOR FILING DATE: 2002-02-28
; PRIOR APPLICATION NUMBER: US 60/305,340
; PRIOR FILING DATE: 2001-07-13
; PRIOR APPLICATION NUMBER: US 60/275,017
; PRIOR FILING DATE: 2001-03-12
; PRIOR APPLICATION NUMBER: US 60/271,955
; PRIOR FILING DATE: 2001-02-28
; NUMBER OF SEQ ID NOS: 58994

In version 3.2

25
arity 100.0%; Score 327; DB 15; Length 453;
onservative 0; Mismatches 0; Indels 0; Gaps 0;
CGGCAGCGATGGATGGATACCCCGAGCGGCACCAACAGCGCGCGGCGCAAGAG 60
CGGCAGCGATGGATGGATACCCCGAGCGGCACCAACAGCGCGCGGCGCAAGAG 83
TTGAAGTGAAGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 120
TTGAAGTGAAGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 143
GTGCCATCTCGAGGAACCAACATTATGGATCTTTGCATAGAATGTCAAGCTAAC 180
GTGCCATCTCGAGGAACCAACATTATGGATCTTTGCATAGAATGTCAAGCTAAC 203
CCGCTACTTCAGAGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGA 240
CCGCTACTTCAGAGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGA 263
ACTGCATCTCTCGCTGGCTCAAAACAGACAGAGTGTGTCCATTGGACAACAGAG 300
ACTGCATCTCTCGCTGGCTCAAAACAGACAGAGTGTGTCCATTGGACAACAGAG 323
AATTCCTCAAGTATGGGCACTAG 327
AATTCCTCAAGTATGGGCACTAG 350

33
Application US/10085783A
US20040037841A1

ION:

droGene Inc.

w, C.C.

ION: Compositions and Methods Relating to Osteoarthritis

4231/2002

TION NUMBER: US/10/085,783A

DATE: 2002-02-28

ON NUMBER: US 60/305,340

TE: 2001-07-13

ON NUMBER: US 60/275,017

TE: 2001-03-12

ON NUMBER: US 60/271,955

TE: 2001-02-28

D NOS: 58994

tIn version 3.2

n 33
arity 100.0%; Score 327; DB 12; Length 467;
onservative 0; Mismatches 0; Indels 0; Gaps 0;
CGGCAGCGATGGATGGATACCCCGAGCGGCACCAACAGCGCGCGGCGCAAGAG 60
CGGCAGCGATGGATGGATACCCCGAGCGGCACCAACAGCGCGCGGCGCAAGAG 79
TTGAAGTGAAGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 120
TTGAAGTGAAGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 139

Qy 121 AACTGTGCCATCTGCAGGAACCAACATTATGGATCTTTGCATAGAATGTCAAGCTA 121
Db 140 AACTGTGCCATCTGCAGGAACCAACATTATGGATCTTTGCATAGAATGTCAAGCTA 140
Qy 181 GCGTCCGCTACTTCAGAAAGTGTACTGTGCGATGGGAGTCTCTAACCATGCTTT 181
Db 200 GCGTCCGCTACTTCAGAAAGTGTACTGTGCGATGGGAGTCTCTAACCATGCTTT 200
Qy 241 TTCCACTGCATCTCTCGCTGGCTCAAAACAGACAGAGTGTGTCCATTGGACAACAG 241
Db 260 TTCCACTGCATCTCTCGCTGGCTCAAAACAGACAGAGTGTGTCCATTGGACAACAG 260
Qy 301 TGGGAATTCCTCAAAAGTATGGGCACTAG 327
Db 320 TGGGAATTCCTCAAAAGTATGGGCACTAG 346

RESULT 6

US-10-242-535A-39933
; Sequence 39933, Application US/10242535A
; Publication No. US20040013663A1
; GENERAL INFORMATION:
; APPLICANT: ChondroGene Inc.
; APPLICANT: Liew, C.C.
; TITLE OF INVENTION: Compositions and Methods Relating to Osteoarthritis
; FILE REFERENCE: 4231/2005
; CURRENT APPLICATION NUMBER: US/10/242,535A
; CURRENT FILING DATE: 2002-09-12
; PRIOR APPLICATION NUMBER: US 10/085,783
; PRIOR FILING DATE: 2002-02-28
; PRIOR APPLICATION NUMBER: US 60/305,340
; PRIOR FILING DATE: 2001-07-13
; PRIOR APPLICATION NUMBER: US 60/275,017
; PRIOR FILING DATE: 2001-03-12
; PRIOR APPLICATION NUMBER: US 60/271,955
; PRIOR FILING DATE: 2001-02-28
; NUMBER OF SEQ ID NOS: 58994
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 39933
; LENGTH: 467
; TYPE: DNA
; ORGANISM: Human
US-10-242-535A-39933

Query Match 100.0%; Score 327; DB 15; Length 467;
Best Local Similarity 100.0%; Pred. No. 2.2e-106;
Matches 327; Conservative 0; Mismatches 0; Indels 0; (

Qy 1 ATGGCGGCGAGTGGATGGATACCCCGAGCGGCACCAACAGCGCGCGGCGCA 1
Db 20 ATGGCGGCGAGTGGATGGATACCCCGAGCGGCACCAACAGCGCGCGGCGCA 20
Qy 61 CGCTTTGAAGTGAAGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 61
Db 80 CGCTTTGAAGTGAAGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 80
Qy 121 AACTGTGCCATCTGCAGGAACCAACATTATGGATCTTTGCATAGAATGTCAAGCTA 121
Db 140 AACTGTGCCATCTGCAGGAACCAACATTATGGATCTTTGCATAGAATGTCAAGCTA 140
Qy 181 GCGTCCGCTACTTCAGAAAGTGTACTGTGCGATGGGAGTCTCTAACCATGCTTT 181
Db 200 GCGTCCGCTACTTCAGAAAGTGTACTGTGCGATGGGAGTCTCTAACCATGCTTT 200
Qy 241 TTCCACTGCATCTCTCGCTGGCTCAAAACAGACAGAGTGTGTCCATTGGACAACAG 241
Db 260 TTCCACTGCATCTCTCGCTGGCTCAAAACAGACAGAGTGTGTCCATTGGACAACAG 260
Qy 301 TGGGAATTCCTCAAAAGTATGGGCACTAG 327
Db 320 TGGGAATTCCTCAAAAGTATGGGCACTAG 346

254
Application US/10085783A
US20040013663A1
TTON:
ndroGene Inc.
ew, C.C.
TION: Compositions and Methods Relating to Osteoarthritis
: 4231/2002
ATION NUMBER: US/10/085,783A
DATE: 2002-02-28
ION NUMBER: US 60/305,340
ATE: 2001-07-13
ION NUMBER: US 60/275,017
ATE: 2001-03-12
ION NUMBER: US 60/271,955
ATE: 2001-02-28
ID NOS: 58994
ntin version 3.2
lan
254
100.0%; Score 327; DB 12; Length 471;
larity 100.0%; Pred. No. 2.2e-106;
Conservative 0; Mismatches 0; Indels 0; Gaps 0;
CGCGCAGCGATGGATGGATACCCGAGCGGCACCAACAGCGCGCGGCAAGAAG 60
CGCGCAGCGATGGATGGATACCCGAGCGGCACCAACAGCGCGCGGCAAGAAG 76
TTTGAAGTGAAGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 120
TTTGAAGTGAAGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 136
TGTGCCATCTCGCAGGAAACCAATATGATCTTTGCATAGATGTCAGCTAACCG 180
TGTGCCATCTCGCAGGAAACCAATATGATCTTTGCATAGATGTCAGCTAACCG 196
TCCGCTACTCTCAGAGAGTGTACTGTGCGATGGGAGTCTGTAAACATGCTTTTAC 240
TCCGCTACTCTCAGAGAGTGTACTGTGCGATGGGAGTCTGTAAACATGCTTTTAC 256
CACTGCATCTCTCGCTGCTCAAAACACGACAGGTGTGTCCATTGGACACAGAGAG 300
CACTGCATCTCTCGCTGCTCAAAACACGACAGGTGTGTCCATTGGACACAGAGAG 316
GAATTCGAAAGTATGGGCACTAG 327
GAATTCGAAAGTATGGGCACTAG 343
254
Application US/10242535A
US20040013663A1
TTON:
ndroGene Inc.
ew, C.C.
TION: Compositions and Methods Relating to Osteoarthritis
: 4231/2005
ATION NUMBER: US/10/242,535A
DATE: 2002-09-12
ION NUMBER: US 10/085,783
ATE: 2002-02-28
ION NUMBER: US 60/305,340
ATE: 2001-07-13
ION NUMBER: US 60/275,017
ATE: 2001-03-12
ION NUMBER: US 60/271,955
ATE: 2001-02-28

NUMBER OF SEQ ID NOS: 58994
SOFTWARE: PatentIn version 3.2
SEQ ID NO 57254
LENGTH: 471
TYPE: DNA
ORGANISM: Human
US-10-242-535A-57254
Query Match
Best Local Similarity 100.0%; Score 327; DB 15; Length 471;
Matches 327; Conservative 0; Mismatches 0; Indels 0;
Qy 1 ATGCGCGCAGCGATGGATGGATACCCGAGCGGCACCAACAGCGCGGCGGCG 17
Db 17 ATGCGCGCAGCGATGGATGGATACCCGAGCGGCACCAACAGCGCGGCGGCG 17
Qy 61 CGCTTTGAAGTGAAGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 77
Db 77 CGCTTTGAAGTGAAGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 77
Qy 121 AACTGTGCCATCTCGCAGGAAACCAATATGATCTTTGCATAGATGTCAGCT 137
Db 137 AACTGTGCCATCTCGCAGGAAACCAATATGATCTTTGCATAGATGTCAGCT 137
Qy 181 GCGTCCGCTACTTCAGAGAGTGTACTGTGCGATGGGAGTCTGTAAACCATGCT 197
Db 197 GCGTCCGCTACTTCAGAGAGTGTACTGTGCGATGGGAGTCTGTAAACCATGCT 197
Qy 241 TTCCACATGCACTCTCCGCTGCTCAAAACACGACAGGTGTGTCCATTGGACAC 257
Db 257 TTCCACATGCACTCTCCGCTGCTCAAAACACGACAGGTGTGTCCATTGGACAC 257
Qy 301 TGGGAATTCGAAAGTATGGGCACTAG 327
Db 317 TGGGAATTCGAAAGTATGGGCACTAG 343
RESULT 9
US-10-085-783A-56068
Sequence 56068, Application US/10085783A
Publication No. US20040037841A1
GENERAL INFORMATION:
APPLICANT: ChondroGene Inc.
APPLICANT: Liew, C.C.
TITLE OF INVENTION: Compositions and Methods Relating to Osteoarthritis
FILE REFERENCE: 4231/2002
CURRENT APPLICATION NUMBER: US/10/085,783A
CURRENT FILING DATE: 2002-02-28
PRIOR APPLICATION NUMBER: US 60/305,340
PRIOR FILING DATE: 2001-07-13
PRIOR APPLICATION NUMBER: US 60/275,017
PRIOR FILING DATE: 2001-03-12
PRIOR APPLICATION NUMBER: US 60/271,955
PRIOR FILING DATE: 2001-02-28
NUMBER OF SEQ ID NOS: 58994
SOFTWARE: PatentIn version 3.2
SEQ ID NO 56068
LENGTH: 472
TYPE: DNA
ORGANISM: Human
FEATURE:
NAME/KEY: misc feature
LOCATION: (437)..(437)
OTHER INFORMATION: n is a, c, g, or t
FEATURE:
NAME/KEY: misc feature
LOCATION: (455)..(455)
OTHER INFORMATION: n is a, c, g, or t
US-10-085-783A-56068
Query Match
Best Local Similarity 100.0%; Score 327; DB 12; Length 472;
Matches 327; Conservative 0; Mismatches 0; Indels 0;

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us-09-541-462b-1.apr14.rnpb

CGGAGCGATGGATGTGGATATCCCGAGCGGCACCAACAGCGCGCGCGGCAAGAAG 60
CGGAGCGATGGATGTGGATATCCCGAGCGGCACCAACAGCGCGCGCGGCAAGAAG 79
TTGAAGTGAAGAAAGTGGAAATGCAGTAGCCCTCTGGGCGCTGGGATATTTGGTTGAT 120
TTGAAGTGAAGAAAGTGGAAATGCAGTAGCCCTCTGGGCGCTGGGATATTTGGTTGAT 139
TGCCATCTGCAGGAACACACATTATGGATCTTTGCATAGAAATGCAAGCTAACCAAG 180
TGCCATCTGCAGGAACACACATTATGGATCTTTGCATAGAAATGCAAGCTAACCAAG 199
CGCTACTTCAGAAAGTGGAAATGCAGTAGCCCTCTGGGCGCTGGGATATTTGGTTGAT 240
CGCTACTTCAGAAAGTGGAAATGCAGTAGCCCTCTGGGCGCTGGGATATTTGGTTGAT 259
ACTGATCTCTCGCTGGCTCAAAACACGACAGGTGTGTCCTATTTGGACACAGAGAG 300
ACTGATCTCTCGCTGGCTCAAAACACGACAGGTGTGTCCTATTTGGACACAGAGAG 319
AATTCCTCAAAAGTATGGGCACTAG 327
AATTCCTCAAAAGTATGGGCACTAG 346

68
Application US/10242535A
US20040013663A1
ION:
droGene Inc.
w, C.C.
ION: Compositions and Methods Relating to Osteoarthritis
4231/2005
TION NUMBER: US/10/242,535A
DATE: 2002-09-12
ON NUMBER: US 10/085,783
TE: 2002-02-28
ON NUMBER: US 60/305,340
TE: 2001-07-13
ON NUMBER: US 60/275,017
TE: 2001-03-12
ON NUMBER: US 60/271,955
TE: 2001-02-28
J NOS: 58994
in version 3.2

1
feature
...(437)
ON: n is a, c, g, or t
feature
...(455)
ON: n is a, c, g, or t
100.0%; Score 327; DB 15; Length 472;
urity 100.0%; Pred. No. 2.2e-106;
nservative 0; Mismatches 0; Indels 0; Gaps 0;
XGACGCGATGGATGTGGATATCCCGAGCGGCACCAACAGCGCGCGGCAAGAAG 60
XGACGCGATGGATGTGGATATCCCGAGCGGCACCAACAGCGCGCGGCAAGAAG 79
TGAACTGAAAAAGTGGAAATGCAGTAGCCCTCTGGGCGCTGGGATATTTGGTTGAT 120
TGAACTGAAAAAGTGGAAATGCAGTAGCCCTCTGGGCGCTGGGATATTTGGTTGAT 139

QY 121 AACTGTGCCATCTGCAGGAACACACATTATGGATCTTTGCATAGAAATGTCAAGCTA
Db
140 AACTGTGCCATCTGCAGGAACACACATTATGGATCTTTGCATAGAAATGTCAAGCTA
QY 181 GGTTCGCTACTTCAGAAAGTGGAAATGCAGTAGCCCTCTGGGCGCTGGGATATTTGGTTGAT
Db 200 GGTTCGCTACTTCAGAAAGTGGAAATGCAGTAGCCCTCTGGGCGCTGGGATATTTGGTTGAT
QY 241 TTCCCATGATCTCTCGCTGGCTCAAAACACGACAGGTGTGTCCTATTTGGACACAA
Db 260 TTCCCATGATCTCTCGCTGGCTCAAAACACGACAGGTGTGTCCTATTTGGACACAA
QY 301 TGGGAATTCCTCAAAAGTATGGGCACTAG 327
Db 320 TGGGAATTCCTCAAAAGTATGGGCACTAG 346

RESULT 11
US-10-085-783A-46292
; Sequence 46292, Application US/10085783A
; Publication No. US20040037841A1
; GENERAL INFORMATION:
; APPLICANT: ChondroGene Inc.
; APPLICANT: Liew, C.C.
; TITLE OF INVENTION: Compositions and Methods Relating to Osteoarthritis
; FILE REFERENCE: 4231/2002
; CURRENT APPLICATION NUMBER: US/10/085,783A
; CURRENT FILING DATE: 2002-02-28
; PRIOR APPLICATION NUMBER: US 60/305,340
; PRIOR FILING DATE: 2001-07-13
; PRIOR APPLICATION NUMBER: US 60/275,017
; PRIOR FILING DATE: 2001-03-12
; PRIOR APPLICATION NUMBER: US 60/271,955
; PRIOR FILING DATE: 2001-02-28
; NUMBER OF SEQ ID NOS: 58994
; SOFTWARE: Patent in version 3.2
; SEQ ID NO 46292
; LENGTH: 523
; TYPE: DNA
; ORGANISM: Human
US-10-085-783A-46292

Query Match 100.0%; Score 327; DB 12; Length 523;
Best Local Similarity 100.0%; Pred. No. 2.3e-106;
Matches 327; Conservative 0; Mismatches 0; Indels 0; G

QY 1 ATGCGCGAGCGATGGATGTGGATATCCCGAGCGGCACCAACAGCGCGCGGCAAF
Db 19 ATGCGCGAGCGATGGATGTGGATATCCCGAGCGGCACCAACAGCGCGCGGCAAF
QY 61 CGCTTTGAAGTGAAGAAAGTGGAAATGCAGTAGCCCTCTGGGCGCTGGGATATTTGGTT
Db 79 CGCTTTGAAGTGAAGAAAGTGGAAATGCAGTAGCCCTCTGGGCGCTGGGATATTTGGTT
QY 121 AACTGTGCCATCTGCAGGAACACACATTATGGATCTTTGCATAGAAATGTCAAGCTAA
Db 139 AACTGTGCCATCTGCAGGAACACACATTATGGATCTTTGCATAGAAATGTCAAGCTAA
QY 181 GGTTCGCTACTTCAGAAAGTGGAAATGCAGTAGCCCTCTGGGCGCTGGGATATTTGGTT
Db 199 GGTTCGCTACTTCAGAAAGTGGAAATGCAGTAGCCCTCTGGGCGCTGGGATATTTGGTT
QY 241 TTCCCATGATCTCTCGCTGGCTCAAAACACGACAGGTGTGTCCTATTTGGACACAA
Db 259 TTCCCATGATCTCTCGCTGGCTCAAAACACGACAGGTGTGTCCTATTTGGACACAA
QY 301 TGGGAATTCCTCAAAAGTATGGGCACTAG 327
Db 319 TGGGAATTCCTCAAAAGTATGGGCACTAG 346

RESULT 12
US-10-242-535A-46292

Application US/10242535A
 US20040013663A1
 TION:
 ndroGene Inc.
 ew, C.C.
 TION: Compositions and Methods Relating to Osteoarthritis
 : 4231/2005
 ATION NUMBER: US/10/242,535A
 DATE: 2002-09-12
 ION NUMBER: US 10/085,783
 ATE: 2002-02-28
 ION NUMBER: US 60/305,340
 ATE: 2001-07-13
 ION NUMBER: US 60/275,017
 ATE: 2001-03-12
 ION NUMBER: US 60/271,955
 ATE: 2001-02-28
 ID NOS: 58994
 ntin version 3.2

an
 292
 larity 100.0%; Score 327; DB 15; Length 523;
 Conservative 0; Mismatches 0; Indels 0; Gaps 0;

3CGGACGATGATGGATACCCGAGCGGACCAACAGCGCGCGGCAAGAAG 60
 3CGGACGATGATGGATACCCGAGCGGACCAACAGCGCGCGGCAAGAAG 78
 TTGAAAGTAAAAAGTGAATGAGTAGCCCTCTGGCCCTGGATATTGGTTGAT 120
 TTGAAAGTAAAAAGTGAATGAGTAGCCCTCTGGCCCTGGATATTGGTTGAT 138
 TGTGCATTCGAGGACCAATATTGATCTTTGCATAGATGTCAAGCTAACCAAG 180
 TGTGCATTCGAGGACCAATATTGATCTTTGCATAGATGTCAAGCTAACCAAG 198
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 TCGCTACTTCAGAGAGTGTACTGTGCGATGGGAGTCTGTAACCATGCTTTTAC 258
 TACTGATCTCTCGCTGGCTCAAAACAGCACAGTGTGCTCCATTGGACACAGAG 300
 TACTGATCTCTCGCTGGCTCAAAACAGCACAGTGTGCTCCATTGGACACAGAG 318
 HAATCCAAAGATGGGCACTAG 327
 HAATCCAAAGATGGGCACTAG 345

1 Application US/09918995
 US20030073623A1
 TION:

g, Inc.
 TION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
 TION: FROM VARIOUS CDNA LIBRARIES
 20411-756
 TION NUMBER: US/09/918,995
 DATE: 2001-07-30
 ON NUMBER: US/09/235,076
 TE: 1999-01-20
 D NOS: 38054
 EQ for Windows Version 3.0

sapiens

FEATURE:
 ; NAME/KEY: misc_feature
 ; LOCATION: (1)...(476)
 ; OTHER INFORMATION: n = A, T, C or G
 US-09-918-995-17191

Query Match 99.4%; Score 325; DB 10; Length 476;
 Best Local Similarity 100.0%; Pred. No. 1.2e-105;
 Matches 325; Conservative 0; Mismatches 0; Indels 0;
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 Db 74 GCGGACGATGATGGATACCCGAGCGGACCAACAGCGCGCGGCAAG
 QY 63 CTTTGAAGTAAAAAGTGAATGAGTAGCCCTCTGGCCCTGGATATTGGTT
 Db 134 CTTTGAAGTAAAAAGTGAATGAGTAGCCCTCTGGCCCTGGATATTGGTT
 QY 123 CTGTGCATCTGCAGGAACCAATATTGATCTTTGCATAGATGTCAAGCTAAC
 Db 194 CTGTGCATCTGCAGGAACCAATATTGATCTTTGCATAGATGTCAAGCTAAC
 QY 183 GTCCGCTACTTCAGAGAGTGTACTGTGCGATGGGAGTCTGTAACCATGCTTT
 Db 254 GTCCGCTACTTCAGAGAGTGTACTGTGCGATGGGAGTCTGTAACCATGCTTT
 QY 243 CCAGTGCATCTCTCGCTGGCTCAAAACAGCACAGTGTGCTCCATTGGACACAGA
 Db 314 CCAGTGCATCTCTCGCTGGCTCAAAACAGCACAGTGTGCTCCATTGGACACAGA
 QY 303 GGAATTCGAAAGATATGGGCACTAG 327
 Db 374 GGAATTCGAAAGATATGGGCACTAG 398

RESULT 14

US-10-198-846-11311/c
 ; Sequence 11311, Application US/10198846
 ; Publication No. US2003009974A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Lillie, James
 ; APPLICANT: Xu, Yongyao
 ; APPLICANT: Wang, Youzhen
 ; APPLICANT: Steinmann, Kathleen
 ; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS
 ; TITLE OF INVENTION: FOR IDENTIFICATION, ASSESSMENT, PREVENTION, A
 ; FILE REFERENCE: MRI-049
 ; CURRENT APPLICATION NUMBER: US/10/198,846
 ; CURRENT FILING DATE: 2002-07-18
 ; PRIOR APPLICATION NUMBER: 60/306,220
 ; PRIOR FILING DATE: 2001-07-18
 ; NUMBER OF SEQ ID NOS: 14084
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 11311
 ; LENGTH: 4543
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-10-198-846-11311

Query Match 98.4%; Score 321.8; DB 14; Length 4543;
 Best Local Similarity 99.4%; Pred. No. 4.6e-104;
 Matches 323; Conservative 0; Mismatches 2; Indels 0; G
 QY 3 GCGGACGATGATGGATACCCGAGCGGACCAACAGCGCGCGGCAAGA
 Db 1089 GCGGACGATGATGGATACCCGAGCGGACCAACAGCGCGCGGCAAGA
 QY 63 CTTTGAAGTAAAAAGTGAATGAGTAGCCCTCTGGCCCTGGATATTGGTTG
 Db 1029 CTTTGAAGTAAAAAGTGAATGAGTAGCCCTCTGGCCCTGGATATTGGTTG
 QY 123 CTGTGCATCTGCAGGAACCAATATTGATCTTTGCATAGATGTCAAGCTAAC

|||||
|CCATCTGCAGGAACACATTATGGATCTTTGCATAGATGTCAAGCTAACCCAGGC 910
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|TCCAAAAGTATGGCACTAG 765

11
Application US/10085783A
J520040037841A1
ION:
iroGene Inc.
/ C.C.
ION: Compositions and Methods Relating to Osteoarthritis
4231/2002
ION NUMBER: US/10/085,783A
DATE: 2002-02-28
IN NUMBER: US 60/305,340
E: 2001-07-13
IN NUMBER: US 60/275,017
E: 2001-03-12
IN NUMBER: US 60/271,955
E: 2001-02-28
NOS: 58994
In version 3.2

1
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rity 99.7%; Pred. No. 1.8e-102;
nservative 0; Mismatches 0; Indels 1; Gaps 1;
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pril 14, 2004, 08:53:29
s

GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

ic search, using sw model

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-09-541-462B-1

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ENTITY NUC

pop 10.0 , Gapext 1.0

2709 seqs, 277475446 residues

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Minimum Match 0%

Maximum Match 100%
Existing first 45 summaries

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Category A	Item A1	7.6	3208	4	US-09-780-016-27
	Item A2	7.6	463	4	US-09-621-976-15180
	Item A3	2.0	301	4	US-09-313-294A-492
	Item A4	7.7	2408	1	US-08-608-241-1
	Item A5	3.5	2408	2	US-08-522-182-1
	Item A6	3.5	2408	3	US-08-519-953-1
	Item A7	3.5	2408	3	US-09-192-983-1
	Item A8	3.2	534	4	US-09-621-976-1817
	Item A9	3.2	648	4	US-09-599-3608-27
	Item A10	3.2	654	4	US-09-621-976-1945
	Item A11	3.2	671	4	US-09-621-976-1854
	Item A12	3.2	738	4	US-09-633-381-1814
	Item A13	3.9	708	4	US-09-489-039A-6887
	Item A14	3.9	1314	4	US-08-543-681A-3245
	Item A15	3.9	2951	1	US-08-386-727-7
	Item A16	3.9	2951	2	US-08-600-452A-7
	Item A17	3.9	399	4	US-09-621-976-8976
	Item A18	3.9	505	4	US-09-621-976-15639
	Item A19	3.9	714	4	US-09-621-976-1783
	Item A20	3.9	832	4	US-09-621-976-2813
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	Item B2	3.7	723	4	US-09-252-991A-9470
	Item B3	3.3	1080	1	US-07-598-873-1
	Item B4	3.3	1080	1	US-08-073-425-1
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	Item B6	3.7	1488	4	US-09-252-991A-4168
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	Item C2	2.7	15180	A	Sequence 15180, A
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	Item C5	1	Appli		Sequence 1, Appli
	Item C6	1	Appli		Sequence 1, Appli
	Item C7	1	Appli		Sequence 1, Appli
	Item C8	1817	Ap		Sequence 1817, Ap
	Item C9	27	Appl		Sequence 27, Appl
	Item C10	1945	Ap		Sequence 1945, Ap
Category D	Item D1	1854	Ap		Sequence 1854, Ap
	Item D2	1814	Ap		Sequence 1814, Ap
	Item D3	6887	Ap		Sequence 6887, Ap
	Item D4	3245	Ap		Sequence 3245, Ap
	Item D5	7	Appli		Sequence 7, Appli
	Item D6	7	Appli		Sequence 7, Appli
	Item D7	8976	Ap		Sequence 8976, Ap
	Item D8	15639	A		Sequence 15639, A
	Item D9	1783	Ap		Sequence 1783, Ap
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	Item E2	9470	Ap		Sequence 9470, Ap
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	Item E5	4168	Ap		Sequence 4168, Ap
	Item E6	25	Appl		Sequence 25, Appl
	Item E7	25	Appl		Sequence 25, Appl
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C	40	27.6	8.4	903	4	US-09-107-532A-2965	Sequence 2
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ALIGNMENTS

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RESULT 1
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/ Sequence 27, Application US/09780016
/ Patent No. 6509456
/ GENERAL INFORMATION:
/ APPLICANT: Donoho, Gregory
/ APPLICANT: Scoville, John
/ APPLICANT: Turner, C. Alexander Jr.
/ APPLICANT: Friedrich, Glenn
/ APPLICANT: Abuin, Alejandro
/ APPLICANT: Zambrowicz, Brian
/ APPLICANT: Sands, Arthur T.
/ TITLE OF INVENTION: No. 6509456el Human Proteases and
/ TITLE OF INVENTION: Polynucleotides Encoding the Same
/ FILE REFERENCE: LEX-0132-USA
/ CURRENT APPLICATION NUMBER: US/09/780,016
/ CURRENT FILING DATE: 2001-02-09
/ PRIOR APPLICATION NUMBER: US 60/181,294
/ PRIOR FILING DATE: 2000-02-11
/ NUMBER OF SEQ ID NOS: 27
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 27
/ LENGTH: 3208
/ TYPE: DNA
/ ORGANISM: homo sapiens
US-09-780-016-27

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QY	188	CTACTTTCAGAAAGTAGTACTGTGCGCATGGGAGAGTCTGTAAACCATGCTTTTTCACCTC		
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QY	308	TCCAAAAGTATGGCACTAG 327		
Db	3005	TCCAAAAGTATGGCACTAG 3024		

us-09-541-462b-1.apr14.rni

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ication US/08922182
TION:
Donohue, Timothy J
Barber, Robert D
Withuhn, Vernon
TION: MICROBIAL SYSTEM FOR FORMALDEHYDE
TION: SENSING AND REMEDIATION
ENCES: 7
ADDRESS:
Charles & Brady
South Pinckney Street
son
3
ABLE FORM:
Floppy disk
IBM PC compatible
STEM: PC-DOS/MS-DOS
PatentIn Release #1.0, Version #1.30
TION DATA:
NUMBER: US/08/922,182

ION: 435
TION DATA:
NUMBER: 08/608,241
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608-251-5000
608-251-9166
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linear
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62..267
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85..290
DS
46..1476
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TION: Dehydrogenase Gene"

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Db 351 CACCCCTGCGCGTCCGCTCGAGCGCGGCAAGCCGCTCGAGATCATGAGGTCA
QY 87 ASTAGCCCTCTGGGCGCTGGGATATGTGTTGATAAATGTGCGCATCTGCAGGAAC
Db 411 CGAAGGCCCAAGCGCGCGGCGAGGTCTGTCGAGATCAAGGCCACCGCATCTGCC

RESULT 6
US-08-919-953-1
; Sequence 1, Application US/08919953
; Patent No. 5837481
; GENERAL INFORMATION:
; APPLICANT: Donohue, Timothy J
; APPLICANT: Barber, Robert D
; APPLICANT: Withuhn, Vernon
; TITLE OF INVENTION: MICROBIAL SYSTEM FOR FORMALDEHYDE
; TITLE OF INVENTION: SENSING AND REMEDIATION
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Charles & Brady
; STREET: 1 South Pinckney Street
; CITY: Madison
; STATE: WI
; COUNTRY: US
; ZIP: 53703
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/919,953
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/608,241
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Seay, Nicholas J
; REGISTRATION NUMBER: 27,386
; REFERENCE/DOCKET NUMBER: 960296.93511
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 608-251-5000
; TELEFAX: 608-251-9166
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2408 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; ORIGINAL SOURCE:
; ORGANISM: Rhodobacter sphaeroides
; STRAIN: 2.4.1
; FEATURE:
; NAME/KEY: -35 signal
; LOCATION: 262..267
; FEATURE:
; NAME/KEY: -10 signal
; LOCATION: 285..290
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 346..1476
; OTHER INFORMATION: /product= "AdhI Class III Alcohol
; OTHER INFORMATION: Dehydrogenase Gene"
US-08-919-953-1

Query Match 9.5%; Score 31; DB 2; Length 2408;
Best Local Similarity 53.8%; Pred. No. 0.94;
Matches 64; Conservative 0; Mismatches 55; Indels 0; G
QY 27 CCGAGCGCGCACCAACAGCGCGCGGCAAGAGCGCTTTGAAGTGAAGTGAATGGAA

07:44:22 2004

us-09-541-462b-1.apr14.rni

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rt, S.
dan, J.Y.
ON: ESTs and Encoded Human Proteins.
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TION NUMBER: US/09/621,976
DATE: 2000-07-21
NOS: 19335
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sapiens
530
peptide
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ON: seq RLLPHAGADGCWG/OR

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CATTATGATCTTTGCATAGATCTCAAG 172
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ON:
Milne Edwards, J.B.
rt, S.
dan, J.Y.
ON: ESTs and Encoded Human Proteins.
GENSET.054PR2
TION NUMBER: US/09/621,976
ATE: 2000-07-21
NOS: 19335
pm
sapiens
547
eptide
424
ON: Von Heijne matrix
ON: score 4.19999980926514
ON: seq ILKWLHATAGAA/LP

9.2%; Score 30; DB 4; Length 671;
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Db 289 ATGGCATTTAACGAGTGTGCCCTGACTGCAAGGTGCCCGG 330
RESULT 12
US-09-833-381-1814/c
; Sequence 1814, Application US/09833381
; Patent No. 6672186
; GENERAL INFORMATION:
; APPLICANT: Robison, Keith E.
; TITLE OF INVENTION: No. 6672186el Nucleic Acid and Protein Homologs
; FILE REFERENCE: 5800-119
; CURRENT APPLICATION NUMBER: US/09/833,381
; CURRENT FILING DATE: 2001-04-11
; PRIOR APPLICATION NUMBER: 09/516,448
; PRIOR FILING DATE: 2000-02-29
; NUMBER OF SEQ ID NOS: 2050
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1814
; LENGTH: 738
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(738)
; OTHER INFORMATION: n = A,T,C or G
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Best Local Similarity 57.4%; Pred. No. 1.1;
Matches 54; Conservative 0; Mismatches 40; Indels 0; G
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QY 139 ACCACATTATGATCTTTGCATAGATCTCAAG 172
Db 479 ATGGCATTTAACGAGTGTGCCCTGACTGCAAGG 446

RESULT 13
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; Sequence 6887, Application US/09489039A
; Patent No. 6610836
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et. al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING
; FILE REFERENCE: 2709.2004001
; CURRENT APPLICATION NUMBER: US/09/489,039A
; CURRENT FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: US 60/117,747
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO 6887
; LENGTH: 708
; TYPE: DNA
; ORGANISM: Klebsiella pneumoniae
US-09-489-039A-6887
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Best Local Similarity 56.1%; Pred. No. 2.1;
Matches 55; Conservative 0; Mismatches 43; Indels 0; G

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Db 252 GAAGTGGCCATAGGCGGCAAGCAACGCGGAGGCAAGGCTCTTGTCTTTAAGC
QY 82 AATGCAGTAGCCCTCTGGGCTGGGATATTGTGGTTGA 119
Db 192 ATAAACGACCCCTTGGCAGCGCATATTCTTGAICA 155

07:44:22 2004

us-09-541-462b-1.apr14.rni

45/c
Application US/09543681A
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TION:
Y BRETON
TION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PROTEUS MIRABILIS
TION: DIAGNOSTICS AND THERAPEUTICS
: 2709.1002-001
ATION NUMBER: US/09/543,681A
DATE: 2000-04-05
ION NUMBER: US 60/128,706
ATE: 1999-04-09
ID NOS: 8344

teus mirabilis
45

8.8%; Score 29.2; DB 4; Length 1314;
larity 51.5%; Pred.No.3;
Conservative 0; Mismatches 63; Indels 0; Gaps 0;
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|||||
TTATAGA 170

lication US/08386727

547
ATION:
ROSEMAN, SAUL
BASSLER, BONNIE
EVHANI, NEMAT O.
HITLARU, EDITH
OWE, CHRIS
U, CHARLES
ENTION: BACTERIAL CATABOLISM OF CHITIN
UENCES: 8
E ADDRESS:
CUSHMAN, DARBY & CUSHMAN
.00 NEW YORK AVENUE, N.W.
INGTON
ISA
ABLE FORM:
i: Floppy disk
IBM PC compatible
SYSTEM: PC-DOS/MS-DOS
PatentIn Release #1.0, Version #1.25
ICATION DATA:
V NUMBER: US/08/386,727
E:
TION: 435
AT INFORMATION:
3S, ANN S.
ON NUMBER: 36,830
OCKET NUMBER: 4130/206916
ATION INFORMATION:
202-861-3000

TELEFAX: 202-822-0944
TELEX: 6714627 CUSH
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2951 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-386-727-7

Query Match 8.9%; Score 29.2; DB 1; Length 2951;
Best Local Similarity 62.2%; Pred.No.4.7; Indels 0;
Matches 46; Conservative 0; Mismatches 28;

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QY 63 CTTTGAAGTGAATA 76
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Db 91 TTTTGGACTGAACA 78
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Search completed: April 14, 2004, 07:50:19
Job time : 63 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

.n search, using sw model

fil 14, 2004, 07:45:49 ; Search time 23 Seconds
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-09-541-462B-2

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s satisfying chosen parameters: 389414

hth: 0

hth: 2000000000

Minimum Match 0%

Maximum Match 100%

-string first 45 summaries

issued Patents AA:*

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than or equal to the score of the result being printed,
d by analysis of the total score distribution.

SUMMARIES

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1.0	112	4	US-09-621-976-5677	Sequence 5677, Ap
1.0	112	4	US-09-621-976-5805	Sequence 5805, Ap
1.1	94	4	US-09-621-976-5714	Sequence 5714, Ap
1.8	664	3	US-09-268-140-2	Sequence 2, Appli
1.5	104	4	US-09-325-332A-49	Sequence 49, Appl
1.5	337	4	US-09-828-303-18	Sequence 18, Appl
1.0	180	2	US-08-786-606-3	Sequence 3, Appli
1.0	180	2	US-08-933-750C-48	Sequence 48, Appl
1.0	180	3	US-09-234-613-48	Sequence 48, Appl
1.0	284	2	US-08-786-606-9	Sequence 9, Appli
1.8	50	4	US-09-052-089A-15	Sequence 15, Appl
1.8	359	4	US-09-663-600A-106	Sequence 106, App
1.8	381	2	US-08-867-057-1	Sequence 1, Appli
1.8	381	2	US-08-867-057-3	Sequence 3, Appli
1.8	381	2	US-09-128-369-1	Sequence 1, Appli
1.8	381	2	US-09-128-369-3	Sequence 3, Appli
1.8	381	4	US-09-663-600A-200	Sequence 200, App
1.8	410	1	US-07-945-283-4	Sequence 4, Appli
1.4	317	4	US-09-921-099A-8	Sequence 8, Appli
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1.3	1493	4	US-09-423-890-8	Sequence 8, Appli
1.3	1593	4	US-08-628-829-4	Sequence 4, Appli
1.3	305	4	US-09-599-360B-114	Sequence 114, App
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1.1	149	4	US-09-690-454-205	Sequence 205, App
1.1	166	4	US-09-690-454-204	Sequence 204, App

28	74.5	12.1	826	4	US-09-894-998A-47	Sequence 4
29	73	11.9	551	3	US-08-699-103B-25	Sequence 2
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31	73	11.9	551	4	US-09-628-133-25	Sequence 2
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39	71	11.5	40	3	US-09-046-894-44	Sequence 4
40	71	11.5	199	4	US-09-325-932A-46	Sequence 4
41	70.5	11.4	46	2	US-08-691-814B-17	Sequence 1
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43	67	10.9	395	2	US-08-841-349-9	Sequence 9
44	67	10.9	395	4	US-09-431-184A-9	Sequence 9
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ALIGNMENTS

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US-09-599-360B-77
; Sequence 77, Application US/09599360B
; Patent No. 6548633
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Bougueret, L.
; APPLICANT: Jobert, S.
; TITLE OF INVENTION: Complementary DNA's Encoding Proteins with Sign
; FILE REFERENCE: GENSET.050CP3
; CURRENT APPLICATION NUMBER: US/09/599,360B
; CURRENT FILING DATE: 2000-06-21
; PRIOR APPLICATION NUMBER: 60/113,686
; PRIOR FILING DATE: 1998-12-22
; PRIOR APPLICATION NUMBER: 60/141,032
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: 09/469,099
; PRIOR FILING DATE: 1999-12-21
; NUMBER OF SEQ ID NOS: 123
; SOFTWARE: Patent.pm
; SEQ ID NO 77
; LENGTH: 84
; TYPE: PRT
; ORGANISM: Homo Sapiens
US-09-599-360B-77

Query Match 33.8%; Score 208; DB 4; Length 84;
Best Local Similarity 37.5%; Pred. No. 1.le-15;
Matches 33; Conservative 17; Mismatches 30; Indels 8; G

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; Sequence 5677, Application US/09621976
; Patent No. 6639063
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Jobert, S.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: ESTs and Encoded Human Proteins.
; FILE REFERENCE: GENSET.054PR2
; CURRENT APPLICATION NUMBER: US/09/621,976

: GENSET.054PR2
ATION NUMBER: US/09/621,976
DATE: 2000-07-21

us-09-541-462b-2.apr14.ra

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; FILE REFERENCE: 31.US3.CIP
; CURRENT APPLICATION NUMBER: US/09/663,600A
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; PRIOR APPLICATION NUMBER: 09/191,997
; PRIOR FILING DATE: 1998-11-13
; PRIOR APPLICATION NUMBER: 60/066,677
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/069,957
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: 60/074,121
; PRIOR FILING DATE: 1998-02-09
; PRIOR APPLICATION NUMBER: 60/081,563
; PRIOR FILING DATE: 1998-04-13
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; PRIOR FILING DATE: 1998-08-10
; PRIOR APPLICATION NUMBER: 60/099,273
; PRIOR FILING DATE: 1998-09-04
; NUMBER OF SEQ ID NOS: 229
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; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SIGNAL
; LOCATION: -34...-1
; NAME/KEY: UNSURE
; LOCATION: 20,64,65,130,156,282,288,289,294,296,300,302,310
; OTHER INFORMATION: Xaa = any one of the twenty amino acids
; US-09-663-600A-106

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/ PRIOR FILING DATE: 1998-02-09
/ PRIOR APPLICATION NUMBER: 60/081,563
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/ PRIOR FILING DATE: 1998-08-10
/ PRIOR APPLICATION NUMBER: 60/099,273
/ PRIOR FILING DATE: 1998-09-04
/ NUMBER OF SEQ ID NOS: 229
/ SOFTWARE: Patent.pm
/ SEQ ID NO 106
/ LENGTH: 359
/ TYPE: PRP
/ ORGANISM: Homo sapiens
/ FEATURE:
/ NAME/KEY: SIGNAL
/ LOCATION: -34...-1
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/ LOCATION: 20,64,65,130,156,282,288,289,296,300,302,310
/ OTHER INFORMATION: Xaa = any one of the twenty amino acids
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; Sequence 1, Application US/08867057
; Patent No. 5840535
; GENERAL INFORMATION:
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Lal, Preeti
; APPLICANT: Shah, Purvi
; TITLE OF INVENTION: NEW ZINC RING PROTEIN
; NUMBER OF SEQUENCES: 3
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive

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? COUNTRY: USA
? ZIP: 94304
? COMPUTER READABLE FORM:
? MEDIUM TYPE: Diskette
? COMPUTER: IBM Compatible
? OPERATING SYSTEM: DOS
? SOFTWARE: FASTSEC for Windows Version 2.0

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PRIOR APPLICATION NUMBER:
 APPLICATION NUMBER:
 FILING DATE:
 ATTORNEY/AGENT INFORMATION:
 NAME: Billings, Lucy J.
 REGISTRATION NUMBER: 36,749
 REFERENCE/DOCKET NUMBER: PF-0311 US
 TELECOMMUNICATION INFORMATION:

Db 238 DVCAICLDEVED-----GDKLRIL--PCSHAYHCKCVDPWLTCKTKT

Search completed: April 14, 2004, 08:54:04
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ATTENTION: Hillman, Jennifer L.
Jal, Preeti
Shah, Purvi
ATTENTION: NEW ZINC RING PROTEIN
SEQUENCES: 3
DE ADDRESS: Incyte Pharmaceuticals, Inc.
74 Porter Drive
Alto

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ISA
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FastSEQ for Windows Version 2.0
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AT INFORMATION:
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 PIN NUMBER: 36,749
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 415-855-0555
 415-845-4166
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 CHARACTERISTICS:
 1) amino acids
 2) acid
 3) single
 4) linear
 PRICE:
 GenBank
 21818

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GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

n search, using sw model

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96.118 Million cell updates/sec

09-541-462B-2

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SUM62

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2010 seqs, 265213723 residues

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18	213	34.6	88	14	US-10-102-806-620	Sequence
19	213	34.6	91	15	US-10-264-049-2337	Sequence
20	213	34.6	105	9	US-09-764-864-1274	Sequence 1
21	210	34.1	124	9	US-09-764-864-1284	Sequence 1
22	208	33.8	84	12	US-10-221-625-94	Sequence
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25	202	32.8	84	14	US-10-108-767-5	Sequence
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27	196	31.8	85	15	US-10-264-049-2326	Sequence
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31	175	28.4	73	12	US-10-424-599-235108	Sequence
32	172	27.9	114	15	US-10-320-797-3003	Sequence
33	138	22.4	34	12	US-10-424-599-254645	Sequence
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35	102	16.6	144	12	US-10-424-599-279773	Sequence
36	100.5	16.3	205	12	US-10-424-599-213911	Sequence
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38	97.5	15.8	128	12	US-10-424-599-202979	Sequence
39	97.5	15.8	195	12	US-10-425-114-36967	Sequence
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; Patent No. US20020042083A1
; GENERAL INFORMATION:
; APPLICANT: Issakani, Sarkiz D.
; APPLICANT: Huang, Jianing
; APPLICANT: Sheung, Julie
; APPLICANT: Pray, Todd R.
; TITLE OF INVENTION: UBIQUITIN LIGASE ASSAY
; FILE REFERENCE: A-68613-1/RMS/UJD
; CURRENT APPLICATION NUMBER: US/09/826,312
; CURRENT FILING DATE: 2001-04-03
; PRIOR APPLICATION NUMBER: US 09/542,497
; PRIOR FILING DATE: 2000-04-03
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 6
; LENGTH: 108
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-826-312-6

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akani, Sarkiz D.
ang, Jianing
eung, Julie
ay, Todd R.
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TION: MODIFY THE ACTIVITY OF UBIQUITIN AGENTS
: A-68613-5/RMS/DCF
ACTION NUMBER: US/10/108,767
DATE: 2002-09-26
ION NUMBER: US 09/542,497
ATE: 2000-04-03
ION NUMBER: US 09/826,312
ATE: 2001-04-03
ION NUMBER: US 10/091,139
ATE: 2002-03-04
ID NOS: 27
ntIn version 3.1

o sapiens

100.0%; Score 616; DB 14; Length 108;
larity 100.0%; Pred. No. 8.9e-61;
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TION:
akani, Sarkiz D.
ang, Jianing
eung, Julie
ay, Todd R.
TION: ASSAYS FOR IDENTIFYING UBIQUITIN AGENTS AND FOR IDENTIFYING AGENT
TION: MODIFY THE ACTIVITY OF UBIQUITIN AGENTS
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ATE: 2002-03-26
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ATE: 2002-03-26
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ID NOS: 27
ntIn version 3.1

o sapiens

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; Sequence 148916, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 148916
; LENGTH: 118
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_105494C.1.pap
US-10-424-599-148916

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Best Local Similarity 80.3%; Pred. No. 6.9e-50;
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US-10-424-599-221431
; Sequence 221431, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
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; OTHER INFORMATION: Clone ID: PAT_MRT3847_41982C.1.pap
US-10-424-599-221431

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82.2%; Score 506.5; DB 12; Length 152;
rity 80.0%; Pred. No. 1.9e-48;
nservative 4; Mismatches 10; Indels 9; Gaps 2;

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DVPWVAGEFSSSSAGPSSKKPKRFEIKKNNAVALWAWDIVVDNCAICRNHIMDLQ 97
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NQASATSEECTVAMGVCNHAFFHFSISRWLKTQVCPLDNSEWEFQKYGH 152
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5 Application US/10424599
S20040031072A1
ON:
sa Thomas J
lic David K
Yihua
Yongwei
ON: Soy Nucleic Acid Molecules and Other Molecules Associated With
ON: Plants and Uses Thereof for Plant Improvement
38-21(53223)B
ION NUMBER: US/10/424,599
ATE: 2003-04-28
NOS: 285684

ne max
e
(106)
ON: unsure at all Xaa locations

ON: Clone ID: PAT_MRT3847_105493C.1.pep
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68.3%; Score 420.5; DB 12; Length 106;
rity 69.2%; Pred. No. 4.9e-39;
nservative 5; Mismatches 8; Indels 23; Gaps 4;

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DVTVPAGEASSSAGPSSSTKKPKRFEIKKNNAVALWAWDIVVDNCAICRNHIMD 61
|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QANQASATSEECTVAMGVCNHAFFHCISRWLKTQVCPLDNREWEFQKYGH 108
|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QANQASATSEECTVAM-----XRWLKTQVCPLDNSEWEFQKYGH 106
|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:

4 Application US/10424599
S20040031072A1
ON:
sa Thomas J
lic David K
Yihua
Yongwei
ON: Soy Nucleic Acid Molecules and Other Molecules Associated With
ON: Plants and Uses Thereof for Plant Improvement
38-21(53223)B
ION NUMBER: US/10/424,599
ATE: 2003-04-28
NOS: 285684

ne max

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arity 50.5%; Pred. No. 1.2e-24;
Conservative 14; Mismatches 30; Indels 4; Gaps 2;
ISGAGKRRFEVKKWNAVALWMDIVVDNCAICRNHIMDLICBCOANOASATSECTV 70
SG-GDKMFSLLKKNVAVMWSWDECDTCAICRVQVMDACLRCQAE---KQEDCVV 93
/CNHAFHFCISRWLKTROVCPDLNREWEFQKYG 107
/CNHSHNCMSLWVKQNNRCPLCQODWVVQIRIG 130
Application US/10424599
US20040031072A1
TION:
Rosa Thomas J
Gallic David K
Yu Yihua
Yongwei
TION: Soy Nucleic Acid Molecules and Other Molecules Associated with
TION: Plants and Uses Thereof for Plant Improvement
38-21(53223)B
TION NUMBER: US/10/424,599
DATE: 2003-04-28
ID NOS: 285684
line max
TION: Clone ID: PAT_MRT3847_57228C.1.pap
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arity 77.8%; Pred. No. 2.1e-24;
Conservative 3; Mismatches 11; Indels 0; Gaps 0;
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107
63
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J20042083A1
TION:
akani, Sarkiz D.
ang, Jianing
ung, Julie
ay, Todd R.
TION: UBIQUITIN LIGASE ASSAY
: A-68613-1/RMS/JJD
TION NUMBER: US/09/826,312
DATE: 2001-04-03
TION NUMBER: US 09/542,497
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ATE: 2000-04-03
ID NOS: 17
ntIn version 3.1
o sapiens
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arity 49.5%; Pred. No. 3.7e-24;

Matches 48; Conservative 14; Mismatches 31; Indels 4;
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US-10-108-767-8
; Sequence 8, Application US/10108767
; Publication No. US20030104474A1
; GENERAL INFORMATION:
; APPLICANT: Issakani, Sarkiz D.
; APPLICANT: Huang, Jianing
; APPLICANT: Sheung, Julie
; APPLICANT: Pray, Todd R.
; TITLE OF INVENTION: ASSAYS FOR IDENTIFYING UBIQUITIN AGENTS AND FO
; FILE REFERENCE: A-68613-5/RMS/DCF
; CURRENT APPLICATION NUMBER: US/10/108,767
; PRIOR FILING DATE: 2002-09-26
; PRIOR APPLICATION NUMBER: US 09/542,497
; PRIOR FILING DATE: 2000-04-03
; PRIOR APPLICATION NUMBER: US 09/826,312
; PRIOR FILING DATE: 2001-04-03
; PRIOR APPLICATION NUMBER: US 10/091,139
; PRIOR FILING DATE: 2002-03-04
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 8
; LENGTH: 113
; TYPE: PRT
; ORGANISM: Homo sapiens
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Best Local Similarity 49.5%; Pred. No. 3.7e-24;
Matches 48; Conservative 14; Mismatches 31; Indels 4;
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US-10-152-156-8
; Sequence 8, Application US/10152156
; Publication No. US20030108947A1
; GENERAL INFORMATION:
; APPLICANT: Issakani, Sarkiz D.
; APPLICANT: Huang, Jianing
; APPLICANT: Sheung, Julie
; APPLICANT: Pray, Todd R.
; TITLE OF INVENTION: ASSAYS FOR IDENTIFYING UBIQUITIN AGENTS AND FO
; FILE REFERENCE: A-68613-6/RMS/DCF
; CURRENT APPLICATION NUMBER: US/10/152,156
; CURRENT FILING DATE: 2002-05-20
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; PRIOR FILING DATE: 2000-04-03
; PRIOR APPLICATION NUMBER: US 09/826,312
; PRIOR FILING DATE: 2001-04-03
; PRIOR APPLICATION NUMBER: US 10/091,174
; PRIOR FILING DATE: 2002-03-04
; PRIOR APPLICATION NUMBER: US 10/091,139

S: 2002-03-04
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E: 2002-03-26
N NUMBER: US 10/108,767
E: 2002-03-26
N NUMBER: US 60/291,836
E: 2001-05-18
NOS: 27
In version 3.1

sapiens

46.6%; Score 287; DB 14; Length 113;
rity 49.5%; Pred. No. 3.7e-24;
nservative 14; Mismatches 31; Indels 4; Gaps 2;

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NHAFHFCISRWLKTRQVCPDLNREWEFOKYG 107
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8
Application US/10424599
S20040031072A1
ON:

sa Thomas J
lic David K
Yihua
Yongwei

ON: Soy Nucleic Acid Molecules and Other Molecules Associated With
ON: Plants and Uses Thereof for Plant Improvement
38-21(53223)B
TON NUMBER: US/10/424,599
ATE: 2003-04-28
NOS: 285684

ne max

e
(68)

ON: unsure at all Xaa locations

ON: Clone ID: PAT_MRT3847_60814C.1.pap

8

45.8%; Score 282; DB 12; Length 68;
rity 69.1%; Pred. No. 7.9e-24;
nservative 9; Mismatches 12; Indels 0; Gaps 0;

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KTR 91

KTR 68

9
Application US/10424599
S20040031072A1
ON:

APPLICANT: La Rosa Thomas J
APPLICANT: Kovalic David K
APPLICANT: Zhou Yihua
APPLICANT: Cao Yongwei
TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
FILE REFERENCE: 38-21(53223)B
CURRENT APPLICATION NUMBER: US/10/424,599
CURRENT FILING DATE: 2003-04-28
NUMBER OF SEQ ID NOS: 285684
SEQ ID NO 264079
LENGTH: 40
TYPE: PRT
ORGANISM: Glycine max
FEATURE:
NAME/KEY: unsure
LOCATION: (1)..(40)
OTHER INFORMATION: unsure at all Xaa locations
FEATURE:
OTHER INFORMATION: Clone ID: PAT_MRT3847_80484C.1.pap
US-10-424-599-264079

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Matches 38; Conservative 0; Mismatches 2; Indels 0; Gaps

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Job time : 299 secs

17:44:24 2004

us-09-541-462b-2.aprl4.rni

GenCore version 5.1.6
copyright (c) 1993 - 2004 Compugen Ltd.

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than or equal to the score of the result being printed,
ad by analysis of the total score distribution.
SUMMARIES
try Length DB ID Description
1.4 3208 4 US-09-780-016-27 Sequence 27, Appl
1.0 463 4 US-09-621-976-15180 Sequence 15180, A
2.6 301 4 US-09-313-294A-492 Sequence 492, App
5.2 648 4 US-09-599-360B-27 Sequence 27, Appl
4.9 738 4 US-09-833-381-1814 Sequence 1814, Ap
2.5 534 4 US-09-621-976-1817 Sequence 1817, Ap
2.1 671 4 US-09-621-976-1854 Sequence 1854, Ap
2.1 539 4 US-09-621-976-2051 Sequence 2051, Ap
2.0 654 4 US-09-621-976-1945 Sequence 1945, Ap
4.8 940 4 US-09-023-655-667 Sequence 667, App
4.8 1839 4 US-09-828-303-10 Sequence 10, Appl
4.6 1690 4 US-09-828-303-2 Sequence 2, Appli

C 13 90 14.6 8438 1 US-07-945-283-1 Sequence 1
C 14 85.5 13.9 4374 4 US-09-833-381-898 Sequence 8
15 85 13.8 1621 4 US-09-023-655-20 Sequence 2
16 85 13.8 2339 3 US-09-268-140-11 Sequence 1
17 85 13.8 2505 3 US-09-268-140-1 Sequence 1
18 85 13.8 2517 3 US-09-268-140-7 Sequence 7
19 83 13.5 315 4 US-09-325-932A-4 Sequence 4
20 81.5 13.2 4259 2 US-08-816-158B-2 Sequence 2
21 81.5 13.2 4259 3 US-09-079-587-2 Sequence 2
22 80.5 13.1 804 3 US-08-998-416-881 Sequence 8
23 80 13.0 944 2 US-08-786-606-4 Sequence 4
24 80 13.0 1112 2 US-08-933-750C-97 Sequence 9
25 80 13.0 1112 3 US-09-234-613-97 Sequence 9
26 79.5 12.9 1683 1 US-07-945-283-3 Sequence 3
27 79 12.8 1470 4 US-09-663-600A-153 Sequence 1
28 79 12.8 1544 2 US-08-867-057-2 Sequence 2
29 79 12.8 1544 2 US-09-128-369-2 Sequence 2
30 79 12.8 1570 4 US-09-663-600A-59 Sequence 5
31 78 12.7 278 4 US-09-313-294A-756 Sequence 7
32 78 12.7 2146 4 US-09-620-312D-443 Sequence 4
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39 76 12.3 5253 4 US-09-423-890-7 Sequence 7
40 76 12.3 5539 4 US-08-628-829-3 Sequence 3
41 75.5 12.3 1355 4 US-09-599-360B-64 Sequence 6
42 74.5 12.1 900 4 US-09-328-352-1185 Sequence 1
43 74.5 12.1 1114 4 US-09-690-454-39 Sequence 3
44 74.5 12.1 1251 4 US-09-205-258-156 Sequence 1
45 74.5 12.1 1253 2 US-08-786-606-6 Sequence 6

ALIGNMENTS

RESULT 1
US-09-780-016-27
; Sequence 27, Application US/09780016
; Patent No. 6509456
; GENERAL INFORMATION:
; APPLICANT: Donoho, Gregory
; APPLICANT: Scoville, John
; APPLICANT: Turner, C. Alexander Jr.
; APPLICANT: Friedrich, Glenn
; APPLICANT: Abuin, Alejandro
; APPLICANT: Zambrowicz, Brian
; APPLICANT: Sands, Arthur T.
; TITLE OF INVENTION: No. 6509456el Human Proteases and
; FILE REFERENCE: LEX-0132-USA
; CURRENT APPLICATION NUMBER: US/09/780,016
; CURRENT FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: US 60/181,294
; PRIOR FILING DATE: 2000-02-11
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 27
; LENGTH: 3208
; TYPE: DNA
; ORGANISM: homo sapiens
US-09-780-016-27
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Score: 95.70% Conservative: 1
Percent Similarity: 95.70% Mismatches: 1
Best Local Similarity: 84.62% Indels: 3
Query Match: 91.41% Gaps: 1
DB: 4
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07:44:24 2004

us-09-541-462b-2.apr14.rni

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|TTGTGGTTTATTAACCTGTGCATCTGCAGAACACACATTATGGATCTTTGCATAGAA 2862
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|AlaAsnGlnAlaSerAlaThrSerGluGluCysThrValAlaTrpGlyValCys 75
|||||
|AAGCTAACACGGGCTCCGCTACTTCAAGAGGTGACTGTGCGAAGGGAGTCTGT 2922
|||||
|iAlaPheHisPheHisCysIleSerArgTrpLeuLysThrArgGlnValCysPro 95
|||||
|ATGCTTTTCACTTCCACTCTCTCGCTGCTCAAAACACGACAGGTGTGTGCCA 2982
|||||
|AspAsnArgGluTrpGluPheGlnLysTrpGlyHis 108
|ACACACAGAGGTGGGAATTCCTCAAAAGTATGGGCAC 3021
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30 Application US/09621976
063
TION:
as Milne Edwards, J.B.
cert, S.
Ordano, J.Y.
TION: ESTs and Encoded Human Proteins.
: GENSET.054PR2
ATTION NUMBER: US/09/621,976
DATE: 2000-07-21
ID NOS: 19335
ct.pm

c sapiens
c_feature
TION: n=a, g, c or t
80
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Y: 73.08% Mismatches: 2
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RESULT 3
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; Sequence 492, Application US/09313294A
; Patent No. 6476212
; GENERAL INFORMATION:
; APPLICANT: Ialgudi, Raghunath V.
; APPLICANT: Ico, Laura Y.
; TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES DERIVED FROM
; FILE REFERENCE: PL-0017 US
; CURRENT APPLICATION NUMBER: US/09/313,294A
; CURRENT FILING DATE: 1999-05-14
; NUMBER OF SEQ ID NOS: 7600
; SOFTWARE: PERL Program
; SEQ ID NO 492
; LENGTH: 301
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No. 6476212 700549333H1
US-09-313-294A-492
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RESULT 4
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; Sequence 27, Application US/09599360B
; Patent No. 6548633
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Bougueret, L.
; APPLICANT: Jobert, S.
; TITLE OF INVENTION: Complementary DNA's Encoding Proteins with Sig
; FILE REFERENCE: GENSET.050CP3
; CURRENT APPLICATION NUMBER: US/09/599,360B
; CURRENT FILING DATE: 2000-06-21
; PRIOR APPLICATION NUMBER: 60/113,686
; PRIOR FILING DATE: 1998-12-22
; PRIOR APPLICATION NUMBER: 60/141,032
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: 09/469,099
; PRIOR FILING DATE: 1999-12-21
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  son, Keith E.
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  lnValCysProLeu 96
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  AGACCTGCCCTCTG 2242
  lication US/09023655
  79
  GENERAL INFORMATION:
  APPLICANT: Cocks, Benjamin G.
  APPLICANT: Susan G. Stuart
  APPLICANT: Jeffrey J. Seilhamer
  TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF BLOOD CELL
  NUMBER OF SEQUENCES: 1508
  CORRESPONDENCE ADDRESS:
  ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
  STREET: 3174 PORTER DRIVE
  CITY: PALO ALTO
  STATE: CALIFORNIA
  COUNTRY: USA
  ZIP: 94304
  COMPUTER READABLE FORM:
  MEDIUM TYPE: Floppy disk
  COMPUTER: IBM PC compatible
  OPERATING SYSTEM: PC-DOS/MS-DOS
  SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
  CURRENT APPLICATION DATA:
  APPLICATION NUMBER: US/09/023,655
  FILING DATE: HEREWITH
  CLASSIFICATION:
  PRIOR APPLICATION DATA:
  APPLICATION NUMBER:
  FILING DATE:
  CLASSIFICATION:
  ATTORNEY/AGENT INFORMATION:
  NAME: Zeller, Karen J.
  REGISTRATION NUMBER: 37,071
  REFERENCE/DOCKET NUMBER: PA-0001 US
  TELECOMMUNICATION INFORMATION:
  TELEPHONE: (650) 855-0555
  TELEFAX: (650) 845-4166
  INFORMATION FOR SEQ ID NO: 20:
  SEQUENCE CHARACTERISTICS:
  LENGTH: 1621 base pairs
  TYPE: nucleic acid
  STRANDEDNESS: single
  TOPOLOGY: linear
  IMMEDIATE SOURCE:
  LIBRARY: HMCINOT01
  CLONE: 002501
  US-09-023-655-20
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  Pred. No.: 0.415 Length: 1621
  Score: 85.00 Matches: 24
  Percent Similarity: 40.48% Conservative: 10
  Best Local Similarity: 28.57% Mismatches: 22
  Query Match: 13.80% Indels: 28
  Gaps: 4
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  Qy 20 LysArgPheGluValLysTrpAsnAlaValAlaLeuTtpAlaTtpAspIle-
  :|||
  Db 770 CGTAGGACTGCTGTGAGAAATTAATTCATCTCTCT-----GAAATAAA
  Qy 38 -----ValValAspAsnCysAlaIleCysArgAsnHisIleMetAs
  :|||
  Db 818 AGCGCTTACAGAAATAAATGATGTATGTGCAATCTGTCATGAGTTT-----
  Qy 53 CysIleGluCysGlnAlaAsnGlnAlaSerAlaThrSerGluGluCysThrValAl
  :|||
  Db 869 -----ACAACATCTGCTCGTATTACA-----
  Qy 73 GlyValCysAsnHisAlaPheHisPheHisCysIleSerArgTtpLeuLysThrAr
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  Db 890 ---CCGTGTAATCATTTTCCATGCACCTTTCGCTTCGAAATGGCTGTACATTCA
  Qy 93 ValCysProLeu 96
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07:44:24 2004

us-09-541-462b-2.apr14.rni

NTTCAAATG 958

April 14, 2004, 09:05:24

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GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

.c search, using frame_plus_p2n model

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)SUM62
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ipop 10.0 , Xgapext 0.5
ipop 6.0 , Fgapext 7.0
lop 6.0 , Delcxt 7.0

14225 seqs, 217388994 residues

:s satisfying chosen parameters: 5628450

jth: 0
jth: 2000000000

Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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- LIST=45 -DOALIGN=200 -THR SCORE=pct -THR MAX=100
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/cgn2_6/ptodata/1/pubpna/US60_NEW_PUB.seq:*
/cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq:*

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r than or equal to the score of the result being printed,
ed by analysis of the total score distribution.
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SUMMARIES

ery	Length	DB	ID	Description
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ALIGNMENTS

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US-10-085-783A-43377
; Sequence 43377, Application US/10085783A
; Publication No. US20040037841A1
; GENERAL INFORMATION:
; APPLICANT: ChondroGene Inc.
; TITLE OF INVENTION: Compositions and Methods Relating to Osteoarthritis
; FILE REFERENCE: 4231/2002
; CURRENT FILING DATE: 2002-02-28
; PRIOR FILING DATE: 2001-07-13
; PRIOR APPLICATION NUMBER: US 60/305,340
; PRIOR FILING DATE: 2001-03-12
; PRIOR APPLICATION NUMBER: US 60/271,955
; PRIOR FILING DATE: 2001-02-28
; NUMBER OF SEQ ID NOS: 58994
; SOFTWARE: Patent in version 3.2
; SEQ ID NO 43377
; LENGTH: 433
; TYPE: DNA
; ORGANISM: Human
US-10-085-783A-43377
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07:44:24 2004

us-09-541-462b-2.apr14.rnpb

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      100.00%      Conservative: 0
      city:      100.00%      Mismatches: 0
      100.00%      Indels:      0
      12      Gaps:      0
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CysAlaIleCysArgAsnHisIleMetAspLeuCysIleGluCysGlnAlaAsnGln 60
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HisCysIleSerArgTrpLeuLysThrArgGlnValCysProLeuAspAsnArgGlu 100
TACTGATCTCTGCTGGCTCAAAACACGACAGGTGTGCCATTTGGACACAGAGAG 319
GluPheGlnLysTrpGlyHis 108
TAAATTCAAAAGTATGGGCAC 343

377
Application US/10242535A
US20040013663A1
TION:
aw, C.C.
TION: Compositions and Methods Relating to Osteoarthritis
: 4231/2005
ATION NUMBER: US/10/242,535A
DATE: 2002-09-12
ION NUMBER: US 10/085,783
ATE: 2002-02-28
ION NUMBER: US 60/305,340
ATE: 2001-07-13
ION NUMBER: US 60/275,017
ATE: 2001-03-12
ION NUMBER: US 60/271,955
ATE: 2001-02-28
ID NOS: 58994
tIn version 3.2

an
377

      2,43e-75      Length:      433
      616.00      Matches:      108
      100.00%      Conservative: 0
      city:      100.00%      Mismatches: 0
      100.00%      Indels:      0
      15      Gaps:      0
(1-108) x US-10-242-535A-43377 (1-433)

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 ACTGCATCTCTCGCTGCTCAAAACACGACAGGTGTGTCCATTGGACACAGAGAG 323

luPheGlnLysTyrGlyHis 108
 AATTCACAAAGATATGGGCAC 347

25 Application US/10242535A
 US20040013663A1

ION:
 droGene Inc.
 w, C.C.

ION: Compositions and Methods Relating to Osteoarthritis

4231/2005

TION NUMBER: US/10/242,535A

DATE: 2002-09-12

ON NUMBER: US 10/085,783

TE: 2002-02-28

ON NUMBER: US 60/305,340

TE: 2001-07-13

ON NUMBER: US 60/275,017

TE: 2001-03-12

ON NUMBER: US 60/271,955

TE: 2001-02-28

D NOS: 58994

tin version 3.2

n 25

2.58e-75 Length: 453
 616.00 Matches: 108
 100.00% Conservative: 0
 100.00% Mismatches: 0
 100.00% Indels: 0
 15 Gaps: 0

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CCGCTACTTCAGAGAGTGTACTGTGGATGGGAGTCTGTAACCATGCTTTTTCAC 263

isCyslleSerArgTrpLeuLysThrArgGlnValCysProLeuAspAsnArgGlu 100

ACTGCATCTCTCGCTGCTCAAAACACGACAGGTGTGTCCATTGGACACAGAGAG 323

luPheGlnLysTyrGlyHis 108

AATTCACAAAGATATGGGCAC 347

33 Application US/10085783A

Publication No. US20040037841A1
 GENERAL INFORMATION:
 APPLICANT: ChondroGene Inc.
 APPLICANT: Liew, C.C.

TITLE OF INVENTION: Compositions and Methods Relating to Osteoarthritis

FILE REFERENCE: 4231/2002

CURRENT APPLICATION NUMBER: US/10/085,783A

CURRENT FILING DATE: 2002-02-28

PRIOR APPLICATION NUMBER: US 60/305,340

PRIOR FILING DATE: 2001-07-13

PRIOR APPLICATION NUMBER: US 60/275,017

PRIOR FILING DATE: 2001-03-12

PRIOR APPLICATION NUMBER: US 60/271,955

PRIOR FILING DATE: 2001-02-28

NUMBER OF SEQ ID NOS: 58994

SOFTWARE: PatentIn version 3.2

SEQ ID NO 39933

LENGTH: 467

TYPE: DNA

ORGANISM: Human

US-10-085-783A-39933

Alignment Scores:

Pred. No.: 2.7e-75 Length: 467

Score: 616.00 Matches: 108

Percent Similarity: 100.00% Conservative: 0

Best Local Similarity: 100.00% Mismatches: 0

Query Match: 100.00% Indels: 0

DB: 12 Gaps: 0

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Db 80 CGCTTTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG

Qy 41 AsnCysAlaIleCysArgAsnHisIleMetAspLeuCysIleGluCysGlnAlaAsn

Db 140 AACTGTGCCATCTGCAGGAACACATATTATGGATCTTTGCATAGATGTCAGCTAAC

Qy 61 AlaSerAlaThrSerGluGluCysThrValAlaTrpGlyValCysAsnHisAlaPhe

Db 200 GCGTCGCTACTTCAGAGAGTGTACTGTCCATGGGGAGTCTGTAAACCATGCTTT

Qy 81 PheHisCyslleSerArgTrpLeuLysThrArgGlnValCysProLeuAspAsnHis

Db 260 TTCCACTGCATCTCTCGCTGGCTCAAAACACGACAGGTGTGTCCATTGGACACAA

Qy 101 TrpGluPheGlnLysTyrGlyHis 108

Db 320 TGGGAATTCACAAAGATATGGGCAC 343

RESULT 6

US-10-242-535A-39933

Sequence 39933, Application US/10242535A

Publication No. US20040013663A1

GENERAL INFORMATION:

APPLICANT: ChondroGene Inc.

APPLICANT: Liew, C.C.

TITLE OF INVENTION: Compositions and Methods Relating to Osteoarthritis

FILE REFERENCE: 4231/2005

CURRENT APPLICATION NUMBER: US/10/242,535A

CURRENT FILING DATE: 2002-09-12

PRIOR APPLICATION NUMBER: US 10/085,783

PRIOR FILING DATE: 2002-02-28

PRIOR APPLICATION NUMBER: US 60/305,340

PRIOR FILING DATE: 2001-07-13

PRIOR APPLICATION NUMBER: US 60/275,017

PRIOR FILING DATE: 2001-03-12

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an
254

2.73e-75
616.00
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Conservative: 108
Y: 0

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QY 21 ArgPheGluValIysThrAsnAlaValAlaLeuTrpAlaTrpAspIleValV

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IerAlaThrSerGluGluCysThrValAlaIleTrpGlyValCysAsnHisAlaPheHis 80
CCGCTACTTCAGAAAGAGTGTAATGCGATGGGAGTCTGTAACCATCTTTTTCAC 256
IisCysIleSerArgTrpLeuLysThrArgGlnValCysProLeuAspAsnArgGlu 100
ACTGCATCTCTCGCTGGCTCAAAACACGACAGGTGTGTCATTTGGACAAACAGAGAG 316
IluPheGlnLysTyrglyHis 108
AATTCAAAAGTATGGGCAC 340
68
Application US/10085783A
US20040037841A1
ION:
droGene Inc.
w, C. C.
ION: Compositions and Methods Relating to Osteoarthritis
4231/2002
TION NUMBER: US/10/085,783A
DATE: 2002-02-28
CN NUMBER: US 60/305,340
TE: 2001-07-13
ON NUMBER: US 60/275,017
TE: 2001-03-12
ON NUMBER: US 60/271,955
TE: 2001-02-28
D NOS: 58994
tIn version 3.2
n
feature
Y..(437)
ION: n is a, c, g, or t
feature
Y..(455)
ION: n is a, c, g, or t
68
2.74e-75 Length: 472
616.00 Matches: 108
100.00% Conservative: 0
ity: 100.00% Mismatches: 0
100.00% Indels: 0
12 Gaps: 0
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heGluValLysLysTrpAsnAlaValAlaLeuTrpAlaIleValValValAsp 40
TTGAAGTGAAGAAAGTGGAAATGCAGTAGCCCTCTGGGCGCTGGGATATTGGTTGAT 139
YsAlaIleCysArgAsnHisIleMetAspLeuCysIleGluCysGlnAlaAsnGln 60
GTGCCATCTGCAGGAACACACATTATGGATCTTTGATAGAAATGTCAAGCTAACCCAG 199

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QY 61 AlaSerAlaThrSerGluGluCysThrValAlaIleTrpGlyValCysAsnHisAlap
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QY 81 PheHisCysIleSerArgTrpLeuLysThrArgGlnValCysProLeuAspAsnA
Db 260 TTCCACTCATCTCTCGCTGGCTCAAAACACGACAGGTGTGTCATTTGGACAACA
QY 101 TrpGluPheGlnLysTyrglyHis 108
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; Publication No. US20040013663A1
; GENERAL INFORMATION:
; APPLICANT: ChondroGene Inc.
; TITLE OF INVENTION: Compositions and Methods Relating to Osteoarthritis
; FILE REFERENCE: 4231/2005
; CURRENT APPLICATION NUMBER: US/10/242,535A
; CURRENT FILING DATE: 2002-09-12
; PRIOR APPLICATION NUMBER: US 10/085,783
; PRIOR FILING DATE: 2002-02-28
; PRIOR APPLICATION NUMBER: US 60/305,340
; PRIOR FILING DATE: 2001-07-13
; PRIOR APPLICATION NUMBER: US 60/275,017
; PRIOR FILING DATE: 2001-03-12
; PRIOR APPLICATION NUMBER: US 60/271,955
; PRIOR FILING DATE: 2001-02-28
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; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 56068
; LENGTH: 472
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; ORGANISM: Human
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; LOCATION: (437)..(437)
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Score: 616.00 Matches: 108
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 15 Gaps: 0
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QY 21 ArgPheGluValLysLysTrpAsnAlaValAlaLeuTrpAlaIleValValVal
Db 80 CGCTTTCAAGTGAAGAAAGTGGAAATGCAGTAGCCCTCTGGGCGCTGGGATATTGGT
QY 41 AsnCysAlaIleCysArgAsnHisIleMetAspLeuCysIleGluCysGlnAlaAs
Db 140 AACTGTGCCATCTGCAGGAACACCAATTATGGATCTTTGATAGAAATGTCAAGCTAA
QY 61 AlaSerAlaThrSerGluGluCysThrValAlaIleTrpGlyValCysAsnHisAlap
Db 200 GCGTCCGCTACTTCAGAAAGAGTGTAATGCGATGGGAGTCTGTCATTTGGACCATGCTT

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us-09-541-462b-2.apr14.rnpb

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feature
..(476)
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100.00% Conservatives: 0
ity: 100.00% Mismatches: 0
99.13% Indels: 0
10 Gaps: 0
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luValLysLysTrpAsnAlaValAlaLeuTrpAlaTrpAspIleValValAspAsn 41
AAGTGAAGAAAGTGAATGCAGTACCTCTGGCTGGATATTGGTTGATTAAC 194
laAlleCysArgAsnHisIleMetAspLeuCysIleGluCysGlnAlaAsnGlnAla 61
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laThrSerGluGluCysThrValAlaTrpGlyValCysAsnHisAlaPheHisPhe 81
CTACTTCAGAGAGTGTACTGTCCATGGGGAGTCTGTACCATGCTTTTTCACATTC 314
yslleSerArgTrpLeuLysThrArgGlnValCysProLeuAspAsnArgGluTrp 101
GCATCTCGTGTGCTCAAAACACGACAGAGTGTGTCCATTGGACACAGAGAGTGG 374
heGlnLysTyTrpGlyHis 108
|||||
TCCAAAAGTATGGGCAC 395
1/c
Application US/10198846
US2003009974A1
ION:
le, James
Yongyao
Z, Youzhen
Immann, Kathleen
ION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS
ION: FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND
ION: THERAPY OF BREAST CANCER
MRI-049
TION NUMBER: US/10198,846
DATE: 2002-07-18
ON NUMBER: 60/305,220
ES: 2001-07-18
NOS: 14084
EQ for Windows Version 4.0
sapiens
1
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607.00 Matches: 106
100.00% Conservatives: 0
ity: 100.00% Mismatches: 0
98.54% Indels: 0
14 Gaps: 0
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QY 3 AlaAlaMetAspValAspThrProSerGlyThrAsnSerGlyAlaGlyLysLysA
Db 1085 GCAGCGATGGATGGATACCCCGAGCGGCACCAACAGCGCGCGGCAAGAGC
QY 23 GluValLysLysTrpAsnAlaValAlaLeuTrpAlaTrpAspIleValValAspA
Db 1025 GAAGTGAAGAAAGTGAATGCAGTACCCCTCTGGGCTGGATATTGGTTGATA
QY 43 AlaAlleCysArgAsnHisIleMetAspLeuCysIleGluCysGlnAlaAsnGlnA
Db 965 GCCATCTGCAGGAACCAATTATGGATCTTTCATAGATGTCATAGAGTAAACCAGG
QY 63 AlaThrSerGluGluCysThrValAlaTrpGlyValCysAsnHisAlaPheHisP
Db 905 GCTACTTCAGAGAGTGTACTGTCCATGGGGAGTCTGTAAACCATGCTTTTCACTT
QY 83 CyslleSerArgTrpLeuLysThrArgGlnValCysProLeuAspAsnArgGluTrp
Db 845 TGCATCTCTCGTGTGCTCAAAACACGACAGAGTGTGTCCATTGGACACAGAGAGT
QY 103 PheGlnLysTyTrpGlyHis 108
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Db 785 TTCCAAAAGTATGGGCAC 768
RESULT 15
US-10-085-783A-54751
; Sequence 54751, Application US/10085783A
; Publication No. US20040037841A1
; GENERAL INFORMATION:
; APPLICANT: ChondroGene Inc.
; TITLE OF INVENTION: Compositions and Methods Relating to Osteoartr
; FILE REFERENCE: 4231/2002
; CURRENT APPLICATION NUMBER: US/10/085,783A
; CURRENT FILING DATE: 2002-02-28
; PRIOR APPLICATION NUMBER: US 60/305,340
; PRIOR FILING DATE: 2001-07-13
; PRIOR APPLICATION NUMBER: US 60/275,017
; PRIOR FILING DATE: 2001-03-12
; PRIOR APPLICATION NUMBER: US 60/271,955
; PRIOR FILING DATE: 2001-02-28
; NUMBER OF SEQ ID NOS: 58994
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 54751
; LENGTH: 430
; TYPE: DNA
; ORGANISM: Human
US-10-085-783A-54751
Alignment Scores:
Pred. No.: 1.49e-73 Length: 430
Score: 603.00 Matches: 108
Percent Similarity: 99.08% Conservatives: 0
Best Local Similarity: 99.08% Mismatches: 0
Query Match: 97.89% Indels: 1
DB: 12 Gaps: 0
US-09-541-462B-2 (1-108) x US-10-085-783A-54751 (1-430)
QY 1 MetAlaAlaAlaMetAspValAspThrProSerGlyThrAsnSerGlyAlaGlyLys
Db 21 ATGCGCGGAGCGATGGATGTGGATACCCCGAGCGGCACCAACAGCGCGCGGCAAG
QY 21 ArgPheGluValLysLysTrpAsnAlaValAlaLeuTrpAlaTrpAspIleValVa
Db 81 CGCTTTGAAGTGAAGAAAGTGAATGCAGTAGCCCTCTGGGCTGGATATTGGTGT
QY 41 AsnCysAlaAlleCysArgAsnHisIleMetAspLeuCysIleGluCysGlnAlaAs
Db 141 AACTGTGCCATCTGCAGGAACCAATTATGGATCTTTCATAGATGTCATAGAGTAA
```


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us-09-541-462b-2.apr14.rnpb

aSerAlaThrSerGluGluCysThrValAlaTrpGlyValCysAsnHisAlaPheHi 80
|||||
GTCCGCTACTTCAGAAAGAGTGTAAGTCTGCGCATGGGAGTCTGTAACCATGCTTTTCA 260
eHisCysIleSerArgTrpLeuLysThrArgGlnValCysProLeuAspAsnArgGl 100
|||||
CCACTGCAATCTCTCGCTGGCTCAAAACACGACAGGTGTGTCCATTGGACAAACAGAGA 320
pGluPheGlnLysTyrGlyHis 108
|||||
GGAAATCCAAAGATATGGGCAC 345

April 14, 2004, 09:55:56
cs